

ABSTRACT

A device for providing angular displacement of an axis in a direction selected from the X or Y direction or rotational movement about the Z direction with respect to the axis. The device comprises a magnetic core element which produces a magnetic field and defines a Z axis. The core element is capable of displacement in the X and Y directions respectively, and also rotational movement about the Z axis. A coil device proximate the core element introduces a distortion force in the core element in at least one of the X and Y directions or about the Z axis as desired a mounting device suspends the core element with respect to the coil means to permit relative movement therebetween in response to the distortion force.